

US 20110148807A1

## (19) United States

# (12) Patent Application Publication FRYER

# (10) Pub. No.: US 2011/0148807 A1

## (43) Pub. Date: Jun. 23, 2011

# (54) HUMAN INTERFACE DEVICE AND RELATED METHODS

(75) Inventor: Christopher James Newton

FRYER, Cottenham (GB)

(73) Assignee: **PELIKON LTD.**, Comberton (GB)

(21) Appl. No.: 12/818,201

(22) Filed: Jun. 18, 2010

### Related U.S. Application Data

(60) Provisional application No. 61/291,146, filed on Dec. 30, 2009

### (30) Foreign Application Priority Data

Dec. 18, 2009 (GB) ...... 0922165.6

#### **Publication Classification**

(51) **Int. Cl.** 

**G06F 3/045** (2006.01)

(52) U.S. Cl. ...... 345/174

(57) ABSTRACT

A Human Interface Device (HID) including a capacitive sensing layer arranged to provide at least one coordinate location where a user touches the device, a circuit layer comprising a plurality of tracks each track having a at least one break therein, and a plurality of user activatable domes positioned above the breaks such that upon user activation. The dome performs one of completing the track by bridging the break and breaking the track by un-bridging the break.

